

7.7.3 Efficiency Standards for Incandescent Reflector Lamps (1)**Effective for lamps manufactured after November 1, 1995 and before July 14, 2012**

<u>Nominal Lamp Wattage</u>	<u>Minimum Average Lamp Efficacy (lm/W)</u>
40-50	10.5
51-66	11.0
67-85	12.5
86-115	14.0
116-155	14.5
156-205	15.0

Effective for lamps manufactured on or after July 14, 2012

<u>Rated Lamp Wattage</u>	<u>Lamp Spectrum</u>	<u>Lamp Diameter (in)</u>	<u>Rated Voltage (V)</u>	<u>Minimum Average Lamp Efficacy (lm/W) (2)</u>
40-205	Standard Spectrum	>2.5	≥125	$6.8 \cdot P^{0.27}$
40-205	Standard Spectrum	>2.5	<125	$5.9 \cdot P^{0.27}$
40-205	Standard Spectrum	≤2.5	≥125	$5.7 \cdot P^{0.27}$
40-205	Standard Spectrum	≤2.5	<125	$5.0 \cdot P^{0.27}$
40-205	Modified Spectrum	>2.5	≥125	$5.8 \cdot P^{0.27}$
40-205	Modified Spectrum	>2.5	<125	$5.0 \cdot P^{0.27}$
40-205	Modified Spectrum	≤2.5	≥125	$4.9 \cdot P^{0.27}$
40-205	Modified Spectrum	≤2.5	<125	$4.2 \cdot P^{0.27}$

Note(s): 1) Subject to exclusions, these specified standards apply to ER, BR, and BPAR incandescent reflector lamps and similar bulb shapes on and after January 1, 2008. Subject to exclusions, these standards apply to incandescent reflector lamps with diameters between 2.25 and 2.75 inches on and after June 15, 2008. These standards do not apply to ER30, BR30, BR40, or ER40 lamps rated at 50W or less. These standards do not apply to BR30, BR40, or ER40 lamps rated at 65W. These standards do not apply to R20 incandescent reflector lamps rated 45W or less. 2) P = rated lamp wattage, in watts.

Source(s): Title 10, Code of Federal Regulations, Part 430 - Energy Conservation Program for Consumer Products, Subpart C - Energy and Water Conservation Standards and Their Effective Dates. January 1, 2010.